

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A double-sided record apparatus for forming images on both sides of a record medium, comprising:

a print head that moves relatively to the record medium and ejects ink onto a face of the record medium;

a counting unit configured to count the number of ejected ink droplets to a predetermined area on the record medium from the print head;

a comparison unit configured to compare the number of ejected ink droplets counted by the counting unit with a predetermined value; and

a determination unit configured to determine whether double-sided record of the record medium is enabled based on a comparison result of the comparison unit.

2. (Original) The double-sided record apparatus as claimed in claim 1, wherein to record on a plurality of record media, the determination unit determines whether double-sided record of the record medium is enabled for each record medium.

3. (Original) The double-sided record apparatus as claimed in claim 1, wherein the counting unit is configured to count the number of ejected ink droplets to the predetermined area on each of both sides of the record medium.

4. (Original) The double-sided record apparatus as claimed in claim 1, wherein, when the number of ejected ink droplets exceeds the predetermined value as the comparison result of the comparison unit, the determination unit determines that double-sided record on the record medium is disabled.

5. (Original) The double-sided record apparatus as claimed in claim 1,

wherein the print head forms an image on the first side of the record medium and then forms an image on the second side of the back of the first side of the record medium, thereby forming images on both sides of the record medium; and,

when the print head forms an image on the first side of the record medium, the counting unit counts the number of ejected ink droplets to the predetermined area on the first side of the record medium through the print head.

6. (Withdrawn) The double-sided record apparatus as claimed in claim 1,

wherein the print head forms an image on the first side of the record medium and then forms an image on the second side of the back of the record medium, thereby forming images on both sides of the record medium; and,

before the print head forms an image on the first side of the record medium, the counting unit counts the number of ink droplets to be ejected to at least one of the predetermined area on the first side and the predetermined area on the second side.

7. (Original) The double-sided record apparatus as claimed in claim 1, further comprising:

an area specification unit configured to specify the predetermined area;

wherein the counting unit counts the number of ejected ink droplets to the predetermined area specified through the area specification unit.

8. (Withdrawn) The double-sided record apparatus as claimed in claim 7,

wherein the area specification unit specifies one page of the record medium as the predetermined area.

9. (Withdrawn) The double-sided record apparatus as claimed in claim 7,

wherein the area specification unit specifies as the predetermined area an area where the print head moves within one pass in a predetermined direction relative to the record medium.

10. (Withdrawn) The double-sided record apparatus as claimed in claim 7,
wherein the area specification unit specifies as the predetermined area an area
where the print head moves relative to the record medium within a predetermined time.

11. (Original) The double-sided record apparatus as claimed in claim 7,
wherein the area specification unit specifies as the predetermined area an area
in which the print head moves a predetermined distance in a predetermined direction relative
to the record medium.

12. (Original) The double-sided record apparatus as claimed in claim 1,
wherein the determination unit determines that double-sided record on the
record medium is disabled when an area exceeding a predetermined record density
representing the number of ejected ink droplets per predetermined unit area on the record
medium exceeds a given value.

13. (Original) The double-sided record apparatus as claimed in claim 1, further
comprising:

a second-side counting unit configured to count the number of ejected ink
droplets to a second side of the record medium before print on the second side of the record
medium; and

a cancel unit configured to cancel execution of record on both sides of the
record medium based on the number of ejected ink droplets counted by the second-side
counting unit when the determination unit determines that double-sided record on the record
medium is enabled.

14. (Original) The double-sided record apparatus as claimed claim 1, further
comprising:

a reversal unit that reverses the record medium to record on both sides of the
record medium from a given direction;

wherein, when the determination unit determines doubled-sided record of the record medium to be disabled, the reversal unit does not reverse the record medium.

15. (Original) The double-sided record apparatus as claimed in claim 1, further comprising:

a recognition unit configured to recognize a type of record medium; and

an invalidation unit configured to invalidate the determination of the determination unit based on the type of record medium recognized by the recognition unit;

wherein double-sided record is executed when a double-sided record command is provided, and the invalidation unit invalidates the determination of the determination unit.

16. (Withdrawn) The double-sided record apparatus as claimed in claim 1, further comprising:

a recognition unit configured to recognize a type of record medium; and

a count stop unit configured to stop an operation of the counting unit based on the type of record medium recognized by the recognition unit;

wherein double-sided record is executed when a double-sided record command is provided and the count stop unit stops an operation of the counting unit.

17. (Original) The double-sided record apparatus as claimed in claim 15, wherein double-sided record is executed when the invalidation unit invalidates the determination of the determination unit, regardless of the comparison result.

18. (Withdrawn) The double-sided record apparatus as claimed in claim 15, further comprising:

a record medium type input unit to enter the type of record medium;

wherein the recognition unit recognizes the type of record medium based on the type of record medium entered through the record medium type input unit.

19. (Original) The double-sided record apparatus as claimed in claim 15, further comprising:

a reception unit that receives identification information indicating the type of record medium over a communication line;

wherein the recognition unit recognizes the type of record medium based on the identification information received by the reception unit.

20. (Withdrawn) The double-sided record apparatus as claimed in claim 15, further comprising:

a detection unit that detects the type of record medium;

wherein the recognition unit recognizes the type of record medium based on the detection result of the detection unit.

21. (Original) The double-sided record apparatus as claimed in claim 20, wherein the detection unit includes a reflection optical sensor having a light emission element and a light reception element; and,

when the light emission element emits light to the record medium and the light reception element receives reflected light from the record medium, the detection unit recognizes the type of record medium based on the light reception amount of the light reception element.

22. (Original) The double-sided record apparatus as claimed in claim 1, further comprising:

a print delay unit configured to delay a start time until recording on a second side of the record medium after printing on a first side of the record medium.

23. (Original) The double-sided record apparatus as claimed in claim 1, further comprising:

an air blowing unit that blows air on one side of the record medium;

wherein print on the other side of the record medium is performed after print on the one side; and

the air blowing unit blows air on the one side where print is complete before print on the other side is started.

24. (Original) An image forming apparatus, comprising:

a print unit that ejects ink onto a face of a record medium to form an image thereon;

a counting unit configured to count the number of ejected ink droplets to a predetermined area on the record medium, per color;

a calculating unit configured to calculate the total number of ink droplets based on the counted results of the counting unit, while weighting the counted results respectively;

a comparison unit configured to compare the number calculated by the calculating unit with a predetermined value; and

a determination unit configured to determine whether double-sided print on the record medium is enabled based on a comparison result of the comparison unit.

25-26. (Canceled) An image forming apparatus, comprising:

27. (Original) A double-sided record method wherein a print head for ejecting ink onto a face of a record medium is moved relatively to the record medium and images are formed on both sides of the record medium through the print head, the method comprising:

counting the number of ejected ink droplets to a predetermined area on the record medium from the print head;

comparing the counted number of ejected ink droplets with a predetermined value; and

determining whether double-sided record of the record medium is enabled based on the comparison result.

28. (Original) The double-sided record method as claimed in claim 27, wherein the determining step includes determining that double-sided record on the record medium is disabled when the counted number of ejected ink droplets exceeds the predetermined value.

29. (Original) The double-sided record method as claimed in claim 27, further comprising:

reversing the record medium to record on both sides thereof;

wherein the reversing step is omitted when double-sided record on the record medium is determined to be disabled in the determining step.

30. (Original) A double-sided record method wherein a print head for ejecting ink onto a face of a record medium is moved relatively to the record medium and images are formed on both sides of the record medium through the print head, the method comprising:

counting the number of ejected ink droplets to a predetermined area on the record medium from the print head;

calculating the total number of ink droplets based on the counted results, while weighting the counted results respectively;

comparing the calculated total number with a predetermined value; and

determining whether double-sided print on the record medium is enabled based on a comparison result of the comparison unit.

31. (Canceled)

32. (Original) A print system, comprising:

a print unit that ejects ink onto a face of a record medium to form an image thereon;

a counting unit configured to count the number of ejected ink droplets to a predetermined area on the record medium;

a comparison unit configured to compare the number of ejected ink droplets counted by the counting unit with a predetermined value; and

a determination unit configured to determine whether double-sided record of the record medium is enabled based on a comparison result of the comparison unit.

33. (Original) The print system as claimed in claim 32,

wherein, when the number of ejected ink droplets exceeds the predetermined value as the comparison result of the comparison unit, the determination unit determines that double-sided record on the record medium is disabled.

34. (Original) The print system as claimed in claim 32, further comprising:

a recognition unit configured to recognize a type of record medium; and

an invalidation unit configured to invalidate the determination of the determination unit based on the type of record medium recognized by the recognition unit;

wherein double-sided record is executed when a double-sided record command is provided, and the invalidation unit invalidates the determination of the determination unit.

35. (Withdrawn) The print system as claimed in claim 32, further comprising:

a recognition unit configured to recognize a type of record medium; and

a count stop unit configured to stop an operation of the counting unit based on the type of record medium recognized by the recognition unit;

wherein double-sided record is executed when a double-sided record command is provided and the count stop unit stops an operation of the counting unit.

36. (Original) A print system, comprising:

a print unit that ejects ink onto a face of a record medium to form an image thereon;

a counting unit configured to count the number of ejected ink droplets to a predetermined area on the record medium, per color;

a calculating unit configured to calculate the total number of ink droplets based on the counted results of the counting unit, while weighting the counted results respectively;

a comparison unit configured to compare the number calculated by the calculating unit with a predetermined value; and

a determination unit configured to determine whether double-sided print on the record medium is enabled based on a comparison result of the comparison unit.

37. (Canceled)